



Australian Government

FWPSAW4209 Plan for and supervise log processing operations

Release: 1

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Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 8.0.

Application

This unit of competency describes the skills and knowledge required to plan and supervise log processing operations in sawn product, veneer or wood chip production.

The unit applies to individuals who are engaged in the planning and supervision of log processing operations in a timber processing work environment.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Sawmilling and Processing (SAW)

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan for implementing log processing operations	1.1 Review production requirements for log processing, and confirm schedules, targets, product specifications and performance indicators 1.2 Confirm workplace health and safety, quality and environmental protection practices and/or procedures and compliance with chain of custody requirements 1.3 Confirm legislation, standards and codes of practice relevant to log

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	processing operations 1.4 Confirm stages in log processing operations to produce sawn products, veneer or wood chips 1.5 Identify hazards and associated risks, and implement risk control strategies as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides 1.6 Inspect raw materials, identify possible production and quality implications and communicate variations to production methods to team members 1.7 Communicate production schedule, targets, product specifications and performance indicators, to team members 1.8 Maintain communication with team members to ensure production schedule and workplace health and safety, environmental protection and quality practices and/or procedures are met
2. Supervise log processing operations	2.1 Monitor workflow and processing operations, and check that production schedule, targets, performance indicators and product specifications are met 2.2 Assist team members to evaluate logs and identify and resolve potential processing problems 2.3 Monitor processing operations to ensure compliance with production schedule, quality requirements and product specifications 2.4 Monitor implementation of quality processes, and chain of custody requirements 2.5 Monitor operation of plant and equipment used in log processing operations 2.6 Evaluate effectiveness of processing operations at key points 2.7 Modify processing operations or schedules, as required, to ensure optimum performance 2.8 Coordinate inventory management to avoid degradation, identify out-of-specification logs, confirm log grades against quality requirements, maintain inventory levels and manage processes for reuse, recycling or disposal of sub-standard logs 2.9 Respond to breakdowns, disruptions to operations and unplanned events according to workplace procedures 2.10 Direct processed material to storage or transfer for further

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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	processing 2.11 Record and report production data and information on processing, safety and equipment faults to appropriate personnel
3. Oversee maintenance and inventory management requirements	3.1 Monitor implementation of routine and preventative maintenance and cleaning requirements 3.2 Maintain product and material inventory levels to meet production and contingency requirements
4. Evaluate log processing operations	4.1 Analyse data and observations on operations, faults, output and health and safety indicators to identify opportunities for process improvement 4.2 Report on production, health and safety, environmental protection and quality metrics to appropriate personnel according to workplace procedures 4.3 Seek comments and feedback from team members to identify opportunities for process improvement 4.4 Analyse feasibility of potential process improvements 4.5 Document process improvements and communicate to appropriate personnel according to workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Reading	Interpret technical documents and workplace policies and procedures relevant to log processing operations
Writing	Complete workplace documents on routine and non-routine matters for a variety of audiences relevant to log processing operations
Oral communication	Use appropriate vocabulary to communicate on technical and work team performance matters related to log processing operations
Numeracy	Analyse statistical data on production, quality, health and safety and environmental protection relevant to log processing operations

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPSAW4209 Plan for and supervise log processing operations	FWPSAW4202 Plan and monitor saw log operations	Unit redeveloped to increase its application and address a relevant skill or task that is required by industry	Not equivalent

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPSAW4209 Plan for and supervise log processing operations

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has planned and supervised the log processing operations for two production cycles for one of the following:

- sawn product production
- veneer production
- wood chip production.

In performing this task, the individual has:

- communicated and coordinated personnel effectively to follow planning, workplace health and safety, environmental protection and quality practices and/or procedures and scheduling requirements
- complied with legislation, standards and codes of practice relevant to log processing operations
- monitored the log processing operation against production schedule, targets, specifications and performance indicators, and identified and rectified operational and equipment problems and faults
- monitored implementation of quality processes and chain of custody requirements
- directed processed material to storage or transfer for further processing
- recorded and reported production information including output, quality, faults and safety data
- evaluated the log processing operation and suggested one process improvement.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- workplace procedures specific to planning and supervising log processing operations, including:
 - health and safety, including the use of personal protective equipment (PPE)
 - environmental protection, including the safe disposal of waste material
 - quality assurance and chain of custody requirements
 - communication channels and protocols to communicate with team members
 - recording and reporting information on output, quality, workplace health and safety and equipment faults
- hazards and associated risks with log processing operations, and risk control strategies as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- stages in log processing operations to produce sawn products, veneer or wood chips
- key requirements of legislation, standards and codes of practice relevant to log processing operations
- types, operation and capacities of log processing equipment and systems
- methods used to assess logs and identify and resolve potential processing problems
- log cutting patterns for maximising output and minimising waste
- workflow in log processing operations
- veneer/sawn timber product processing, including:
 - finished goods
 - processing quality
 - processing techniques
 - use of waste
- inventory management for planning and coordinating log processing, including:
 - avoid log degradation
 - identify out-of-specification logs
 - confirm log grades against quality requirements
 - maintain inventory levels
 - manage processes for reuse, recycling or disposal of sub-standard logs
- methods for problem identification, including equipment failures at process stages, bottlenecks in production process and product variations, and resolution strategies
- process improvement for log processing operations, including:
 - data
 - methods
 - participative approaches
 - communication.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:

- skills must be demonstrated in a timber processing plant, a timber product manufacturing or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - log processing equipment
 - computers, keyboards, printers and software used to prepare planning and production documents
 - PPE relevant to log processing operations
- specifications:
 - production requirements for log processing
 - templates for documenting relevant information on log processing production and operations
 - workplace procedures for log processing operations
 - workplace health and safety and environmental protection policies and/or procedures applicable to log processing operations
- relationships:
 - work team to communicate requirements related to log processing operations.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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